

H.A

Notice of Allowability	Application No.	Applicant(s)	
	10/762,286	MOGI ET AL.	
	Examiner	Art Unit	
	Minh H. Chau	2854	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed on 25 May 2005.
2. ☒ The allowed claim(s) is/are 1-35.
3. ☒ The drawings filed on 23 January 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Minh Chau

**MINH CHAU
PRIMARY EXAMINER**

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Claims 1-3 and 21-23 have been indicated for allowance because the prior art fails to teach the entire combination of a printing method and a printing control device for printing a control strip including the patches include four typical patches of black, cyan, magenta, and yellow at dot area rates of 80 to 85% in the width of each ink key and the printing control is the control for keeping the color density of the four typical patches of the width of each ink key in predetermined color-density ranges.

Claims 4, 24, 33 and 35 have been indicated for allowance because the prior art fails to teach the entire combination of a printing method and a printing control device for printing a control strip including the patches include four typical patches of black at a dot area rate of 100%, and cyan, magenta and yellow at dot area rates of 80 to 85% in a width of each ink key and the printing control is the control for keeping the color densities of the four typical patches of the width of each ink key in predetermined color-density ranges.

Claims 5-7 and 25-27 have been indicated for allowance because the prior art fails to teach the entire combination of a printing method and a printing control device for printing a control strip including the printing control determines whether or not values obtained based on the color densities of the typical patches and the color densities of the solid patches are included in predetermined ranges on the four colors the width of each ink key, and determines that printing is not normal when it is not determined that the values are included in the ranges.

Claims 8-10 and 28-30 have been indicated for allowance because the prior art fails to teach the entire combination of a printing method and a printing control device for printing a control strip including the printing control determines on the four colors whether or not values obtained based on differences between the color densities of the solid patches and the printing control the color densities of the typical patches and differences between the color densities of the typical patches and the color densities of the middle patches are included in predetermined ranges in the width of each ink key, and determines that printing is not normal when it is not determined that the values are included in the ranges.

Claims 11-12 and 31-32 have been indicated for allowance because the prior art fails to teach the entire combination of a printing method and a printing control device for printing a control strip including controlling the ink keys for keeping the color density of the patch of an optional color selected from cyan, magenta, and yellow and the color density of the patch of black in predetermined color-density ranges and keeping a value showing the balance of the color densities of cyan, magenta, and yellow patches in a predetermined range in the width of each ink key; and controlling the ink keys for keeping the color densities of black, cyan, magenta, and yellow patches in the color-density ranges in the width of each ink key and obtaining a value showing the balance of the color densities of cyan, magenta, and yellow patches at each predetermined cycle, after the value showing the balance enters in the range.

Claims 13-15 have been indicated for allowance because the prior art fails to teach the entire combination of a printed matter on which a control strip comprising

patches is printed including four typical patches of black cyan, magenta, and yellow at dot area rates of 80 to 85% in a width of each ink key.

Claims 16 and 34 have been indicated for allowance because the prior art fails to teach the entire combination of a printed matter on which a control strip comprising patches is printed including four typical patches of black at a dot area rate of 100% and cyan, magenta, and yellow at dot area rates of 80 to 85% in a width of each ink key.

Claims 17 and 18 have been indicated for allowance because the prior art fails to teach the entire combination of a printed matter on which a control strip comprising patches is printed including four typical patches of black cyan, magenta, and yellow at dot area rates of 60 to 85% in a width of each ink key and four solid patches of black, cyan, magenta, and yellow at dot area rates of 100% in the width of each ink key.

Claims 19 and 20 have been indicated for allowance because the prior art fails to teach the entire combination of a printed matter on which a control strip comprising patches is printed including four typical patches of black cyan, magenta, and yellow at dot area rates of 60 to 85% in a width of each ink key and four solid patches of black, cyan, magenta, and yellow at dot area rates of 100% and four middle patches of black, cyan, magenta, and yellow at dot area rates of 40 to 50%.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh H. Chau whose telephone number is (571) 272-2156. The examiner can normally be reached on M - TH 9:30AM - 8:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MHC
June 13, 2005


MINH CHAU
PRIMARY EXAMINER